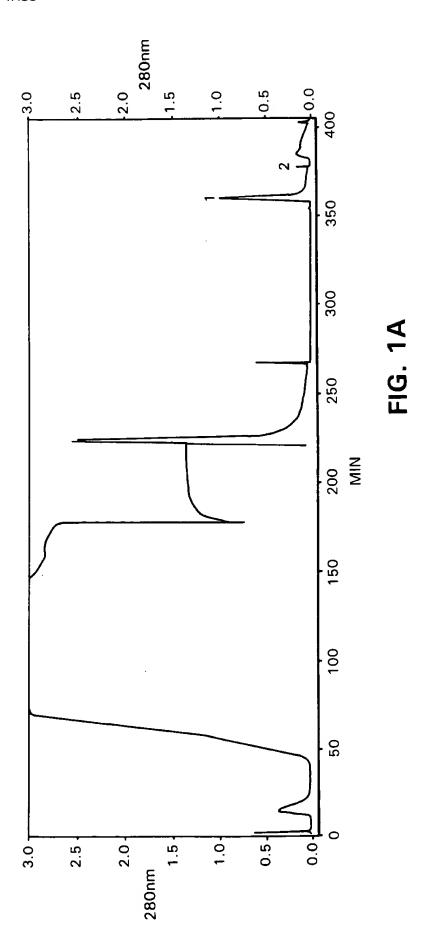
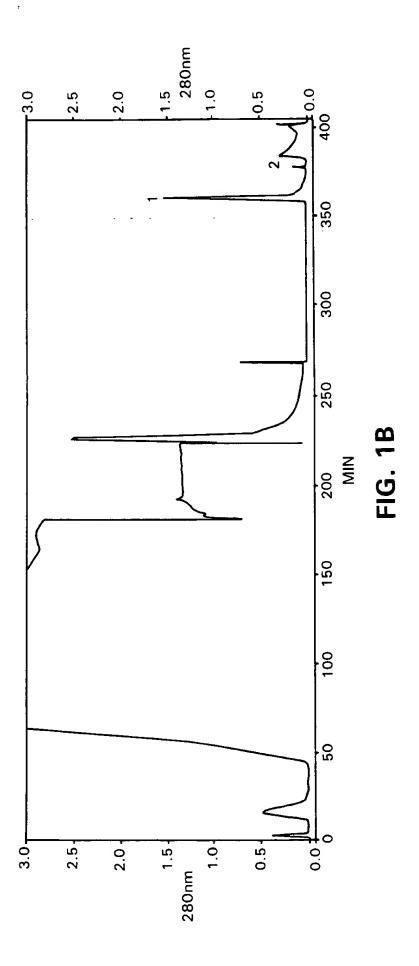


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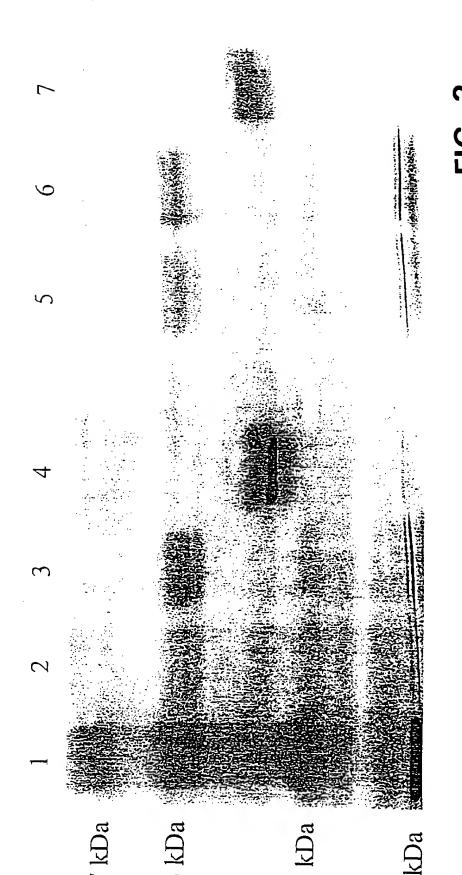


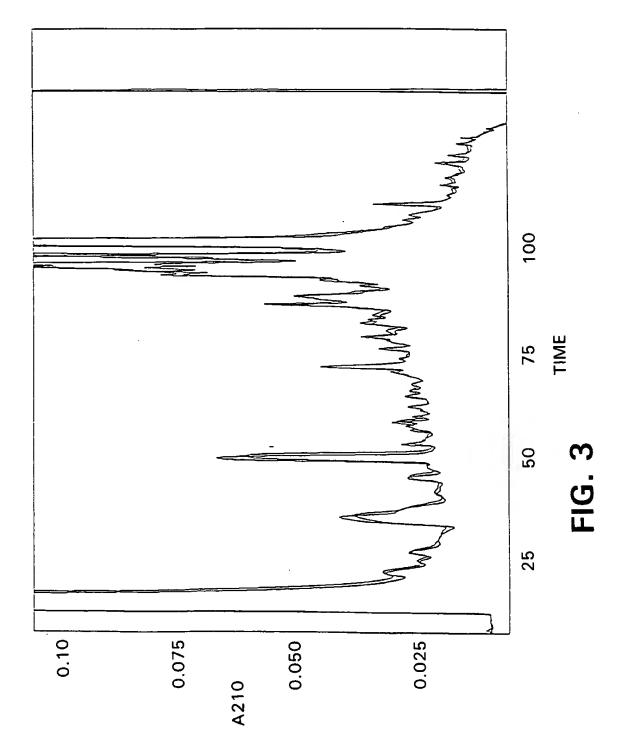




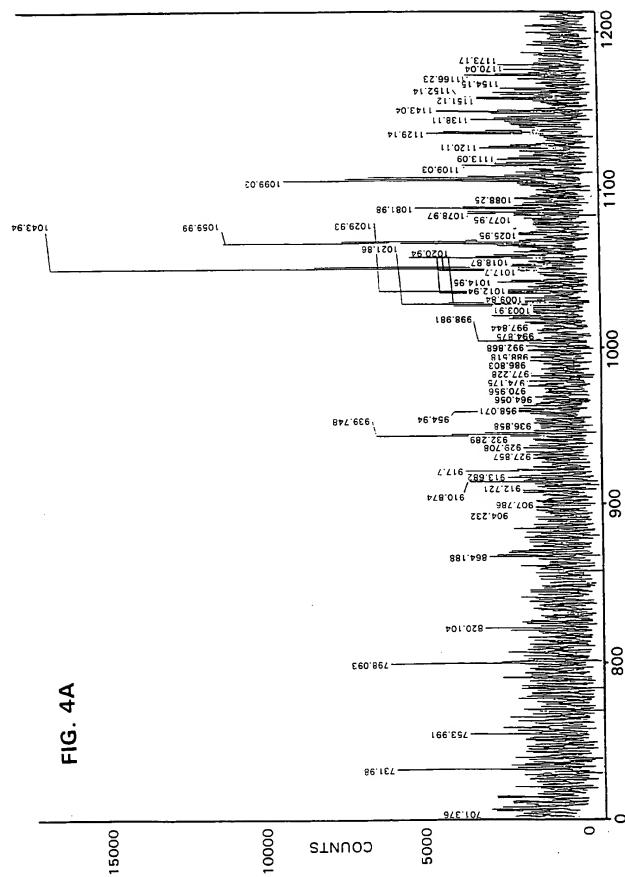


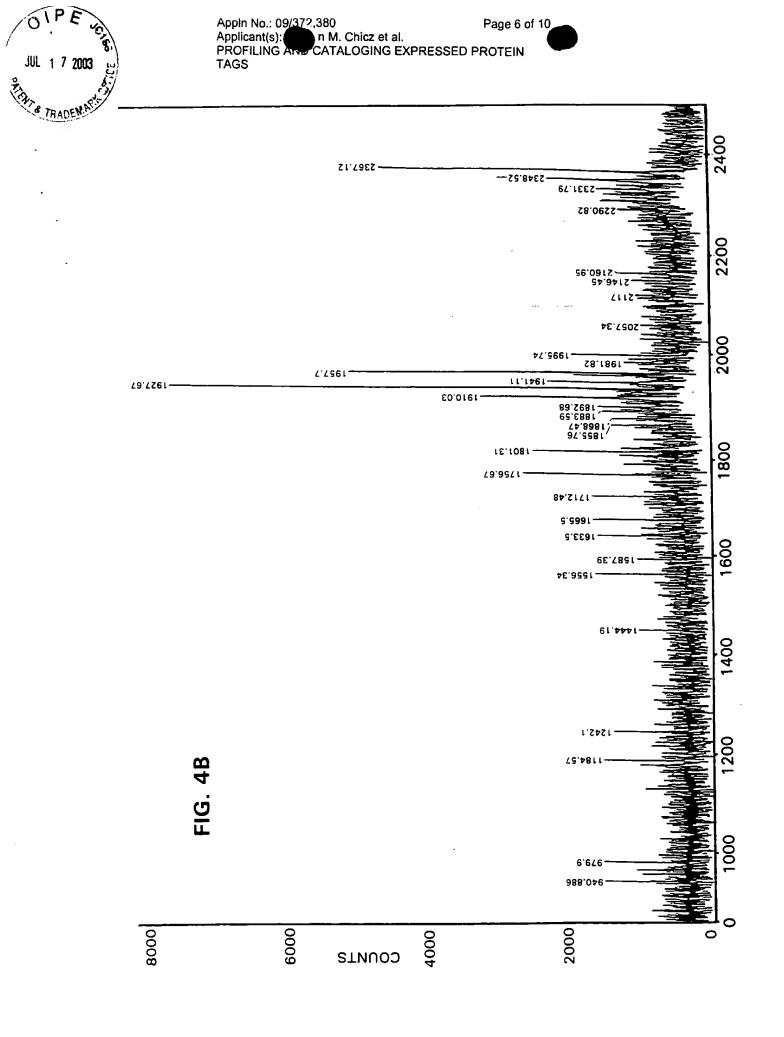
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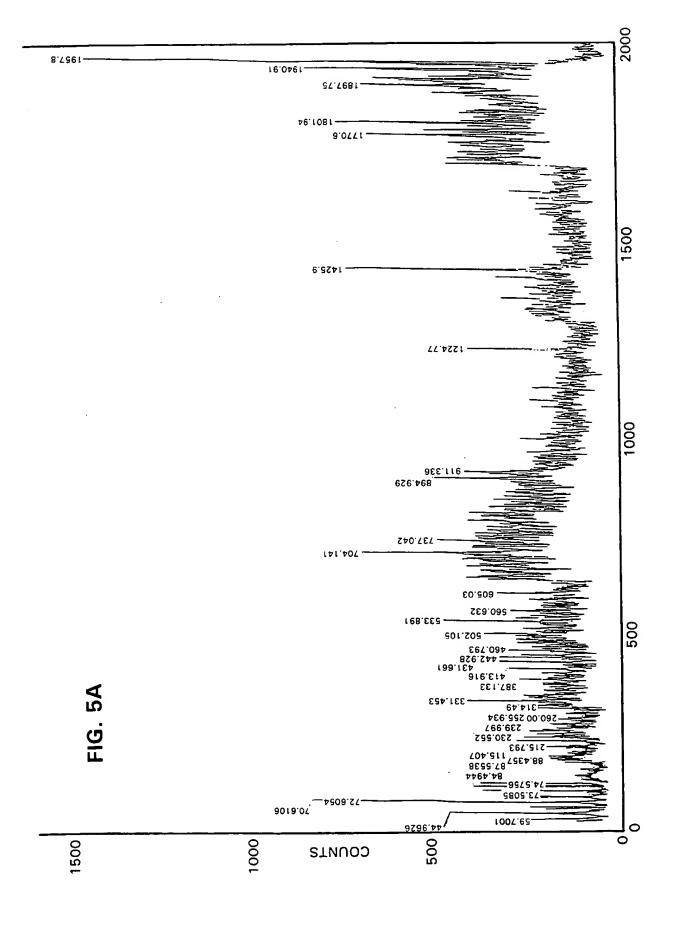






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Sample ID (comment): R4A3F37m1957
Database searched: NCBInr.7.5.97
Molecular weight search (1000-100000 Da) selects 269572 entries.
Species search (HOMO SAPIENS) selects 22771 entries.
Combined molecular weight and species searches select 20933 entries.
Number of sequences passing through parent mass filter: 84015
lon Types Considered: a b B y n h 1

search selects 257 entries

Peptide C terminus Free Acid (O II)

Cysteines Peptide Modified by N terminus unmodified Hydrogen (II)

Max. # Missed Cleavages

> are Used Par(ml)Frag(av) No enzyme

Digest Used

Peptide Masses

Search Max. # Mode Unmatched Ions Identity 5

Parent Fragme	mass. 1957. nt lons pre	Parent mass. 1957.2000 (+/-500.0000ppm) Fragment Ions present: [RPJV[NR] KQ]FSDR	000ppm) KQJFSDR			Resu	Result Summary		
Rank	MS-Digest Index#	MS-Digest NCBInr.7.597 Index# Accession#	Protein MW (Da)	Species	Calculated MH+ (Da)	MH+ Error (Da)	Sequence	# Unmatched Ions	Protein Name
-	240839	1839795	21251.4	HOMO	1956.9052	0.2948	0.2948 (Y)VDDTQFVRFDSDAASQR(M)	7	(D82930) HI.A-A26-varient
-	152874	915219	40679.8	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(U25971) MHC class 1 antigen HLA-A2407
-	141923	825673	20921.2	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(X82161) HLA-A alpha1 and alpha2 domains
-	159176	994765	41113.1	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(D32129) HI.A-A26
-	282322	250934	38703.4	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(297370) human leukocyte antigen
-	133479	717123	40895.1	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(U18930)MHC class 1 antigen HLA-A2
-	49436	785055	38355.8	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	7	(M160010) HLA-AH class I antigen (AA at 30)
-	277806	2394324	10423.4	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	7	(AF017310) MHC class 1 antigen
-	277805	2394322	10430.3	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	2	(AF017309) MHC class 1 antigen
-	277713	2394009	21027.3	HOMO	1956.9052	0.2948	(Y)VDDTQFVRFDSDAASQR(M)	7	(AF012767) MHC class I antigen HLA-A heavy chain

FIG. 5B



qb/R12066/R12066 yf54d10.rl Homo sapiens cDNA clone 26062 5'similar to gb:X00492 cds 1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-3A*0301 alpha (human); Length = 405

Plus Strand HSPs:

= +2 Score = 90 (41.9 bits), Expect = 8.1e-05, P=9.1e-05 Identities = 18/18 (100%), Positives=18/18(100%), Frame

1 VDDTQFVRFDSDAASQRM Query:

VDDTQFVRFDSDAASQRM 158 VDDTQFVRFDSDAASQRM 211 Sbjct:

gb/AA132653/AA132653 zo21a05.rl Stratagene colon (#937204) Homo sapiens cDNA clone 587504 5' similar to gb:z46633 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-2 A* 0201 ALPHA (HUMAN);

Length = 428

Plus Strand HSPs:

£+ Score = 90 (41.9) bits), Expect = 0.1e-05, P=0.1e-05 Identities = 18/18 (100%) Positives=18/18(100%) Frame

VDDTQEVREDSDAASQRM 18 VDDTQEVREDSDAASQRM Query: 1

Sbjct: 158 VDDTQFVRFDSDAASQRM 203

qb/R59764/R59764 yh07c05.rl Homo sapiens cDNA clone 42563 5'similar to qb:x00492 cds1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-3 A* 0301 ALPHA (HUMAN);.

Length = 461

Plus Strands HSPs:

<u>+</u> Identities = 18/18 (100%), Positives = 18/18 (100%), Frame Score - 90 (41.9 bits), Expect - 8.1e-05, P = 8.1e-05

Query: 1 VIDTQFVRFDSDAASQRM 18

138 VDDTQFVRFDSDAASQRM 210 VDDTQFVRFDSDAASQRM

gb/AA488534/AA488534 ab37f08.rl Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone 843015 5' similar to gb:L06425 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, AW-34(A-10)) A*3402 ALPHA (HUMAN): Length = 478

Plus Strand HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +3

18 1 VDDTQFVRFDSDAASQRM Query:

138 VDDTQFVRFDSDAASQRM 191 Sbjct:

gb/AA548636/AA548636 nj 38d02.sl NCI CGAP AA1 Homo Sapiens cDNA clone 1MAGE 994755 similar to gb:z46633 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-2 a*0201 ALPHA (HUMAN); Length = 539

Plus Strand HSPs:

u Score= 30 (41.9 bits), Expect = 8.1e-05, p = 8.1e-05 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame

VDDTQEVRFDSDAASQRM -Query:

VDDTQEVREDSDAASQRM VDDTQEVREDSDAASQRM 205 152 Sbjct: ab/An147151/Ah147151 zo32d06.rl Stratagene colon (#937204) Homo sapiens cDNA clone 5885875 similar to gb:M64740 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-24 (A-9) A*2402 ALPHA (HUMAN);

Plus Strands HSPs:

- Score = 90 (41.9) bits), Expect = 8.1e-05, P = 8.1e-05 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame

1 VDDTQFVRFDSDAASQRM VDDTQFVRFDSDAASQRM

Query:

18 99

13 VDDTQFVRFDSDAASQRM

gb/ H23377/H23377 ym57e02.rl Homo sapiens cDNA clone 52227 5'similar to gb:x00492 cds1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN,A-3A A*0301 ALPHA (HUMAN);

Length = 459

Strand HSPs: Plus Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame

+

1 VDDTQFVRFDSDAASQRM Query:

18

Sbjct: 154 VDDTQFVRFDSDAASQRM 207 VDDTQFVRFDSDAASQRM

5'similar to qb/R13904/R13904 yf62c03.r1 Homo sapiens cDNA clone 26801 5'similar t. gb:m64742_cds1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-23(A-9) A*2301 (HUMAN);

Length = 459

Plus Strand HSPs:

Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +2 Expect = 8.1e-05 P=8.1e-05 Score 90 (41.9 bits),

18 1 VDDTQFVRFDSDAASQRM Query:

VDDTQFVRFDSDAASQRM Sbjct: 146 VDDTQFVRFDSDAASQRM 199



